

1 1. (Currently Amended) An apparatus comprising:
2 at least one processor;
3 a memory coupled to the at least one processor;
4 first software residing in the memory and executed by the at least one processor,
5 the first software including a first user registry [residing in the memory] that contains a
6 first user identity for a selected user that is used to authenticate the selected user to the
7 first software;
8 second software residing in the memory and executed by the at least one
9 processor, the second software including a second user registry [residing in the memory]
10 that contains a second user identity for the selected user that is used to authenticate the
11 selected user to the second software; and
12 an identity mapping mechanism that provides a mapping between the first user
13 identity and the second user identity.

1 2. (Original) The apparatus of claim 1 wherein the first user registry comprises a user
2 registry in a first processing environment.

1 3. (Original) The apparatus of claim 2 wherein the second user registry comprises a user
2 registry in a second processing environment that is different than the first processing
3 environment.

1 4. (Original) The apparatus of claim 1 wherein the identity mapping mechanism
2 comprises:
3 a directory service that contains a plurality of user identity mappings that correlate
4 the first user identity in the first registry to the second user identity in the second registry,
5 and that references the first and second user registries; and
6 schema for the directory service that specifies relationships between a plurality of
7 entries in the directory service, where at least one entry includes the user identity
8 mappings.

1 5. (Original) The apparatus of claim 4 wherein the directory service comprises
2 Lightweight Directory Access Protocol (LDAP).

1 6. (Original) The apparatus of claim 1 further comprising a global identifier residing in
2 the memory that corresponds to the selected user, and wherein the mapping comprises a
3 first correlation between the first user identity and the global identifier and a second
4 correlation between the second user identity and the global identifier.

1 7. (Currently Amended) An apparatus comprising:
2 at least one processor;
3 a memory coupled to the at least one processor;
4 first software residing in the memory and executed by the at least one processor,
5 the first software including a first user registry [residing in the memory] containing a first
6 plurality of user identities that are used to authenticate users to the first software;
7 second software residing in the memory and executed by the at least one
8 processor, the second software including a second user registry residing in the memory
9 containing a second plurality of user identities that are used to authenticate users to the
10 second software;
11 a directory service that contains a plurality of user identity mappings that correlate
12 a first user identity in the first user registry to a second user identity in the second user
13 registry, and that references the first and second user registries; and
14 schema for the directory service that specifies relationships between a plurality of
15 entries in the directory service, where at least one entry includes the user identity
16 mappings.

1 8. (Original) The apparatus of claim 7 wherein the first user registry comprises a user
2 registry in a first processing environment.

1 9. (Original) The apparatus of claim 8 wherein the second user registry comprises a user
2 registry in a second processing environment that is different than the first processing
3 environment.

1 10. (Original) The apparatus of claim 7 wherein the directory service comprises
2 Lightweight Directory Access Protocol (LDAP).

1 11. (Original) The apparatus of claim 7 further comprising a global identifier residing in
2 the memory that corresponds to the selected user, and wherein the mapping comprises a
3 first correlation between the first user identity and the global identifier and a second
4 correlation between the second user identity and the global identifier.

1 12. (Original) A networked computer system comprising:
2 a network that interconnects a plurality of computer systems;
3 a first computer system coupled to the network that includes a first user registry
4 for a first processing environment that contains a first user identity for a selected user;
5 a second computer system coupled to the network that includes a second user
6 registry for a second processing environment that contains a second user identity for the
7 selected user; and
8 a mechanism coupled to the network that provides a mapping between the first
9 user identity and the second user identity.

1 13. (Original) The networked computer system of claim 12 wherein the first user registry
2 comprises a user registry in a first processing environment.

1 14. (Original) The networked computer system of claim 13 wherein the second user
2 registry comprises a user registry in a second processing environment that is different
3 than the first processing environment.

1 15. (Original) The networked computer system of claim 12 further comprising a global
2 identifier accessible via the network that corresponds to the selected user, and wherein the
3 mapping comprises a first correlation between the first user identity and the global
4 identifier and a second correlation between the second user identity and the global
5 identifier.

1 16. (Currently Amended) A method for managing a plurality of user identities on a
2 plurality of computer [system] systems coupled to a network, each user identity
3 corresponding to a defined processing environment, the method comprising the steps of:
4 providing an identity mapping mechanism that provides a mapping between a first
5 user identity in a first user registry in first software and a second user identity in a second
6 user registry in second software, wherein the first user identity is used to authenticate a
7 selected user to the first software and the second user identity is used to authenticate the
8 selected user to the second software; and
9 invoking the identity mapping mechanism to determine the mapping between the
10 first user identity and the second user identity.

1 17. (Original) The method of claim 16 wherein the identity mapping mechanism
2 comprises:
3 a directory service that contains a plurality of user identity mappings that correlate
4 the first user identity in the first registry to the second user identity in the second registry,
5 and that references the first and second user registries; and
6 schema for the directory service that specifies relationships between a plurality of
7 entries in the directory service, where at least one entry includes the user identity
8 mappings.

1 18. (Original) The method of claim 17 wherein the directory service comprises
2 Lightweight Directory Access Protocol (LDAP).

1 19. (Currently Amended) A method for correlating a plurality of user identities on a
2 plurality of computer systems coupled to a network, the method comprising the steps of:
3 generating a global identifier corresponding to a user;
4 mapping a first user identity in a first user registry in first software to the global
5 identifier, wherein the first user identity is used to authenticate a selected user to the first
6 software; and
7 mapping a second user identity in a second user registry in second software to the
8 global identifier, wherein the second user identity is used to authenticate the selected user
9 to the second software.

1 20. (Currently Amended) A program product comprising:
2 (A) an identity mapping mechanism that provides a mapping between:
3 (A1) a first user identity for a selected user residing in a first user registry
4 in first software, wherein the first user identity is used to authenticate a selected
5 user to the first software; and
6 (A2) a second user identity for the selected user residing in a second user
7 registry in second software, wherein the second user identity is used to
8 authenticate a selected user to the second software; and
9 (B) computer-readable signal bearing media bearing the identity mapping
10 mechanism.

1 21. (Original) The program product of claim 20 wherein the signal bearing media
2 comprises recordable media.

1 22. (Original) The program product of claim 20 wherein the signal bearing media
2 comprises transmission media.

1 23. (Original) The program product of claim 20 wherein the first user registry comprises
2 a user registry in a first processing environment.

1 24. (Original) The program product of claim 23 wherein the second user registry
2 comprises a user registry in a second processing environment that is different than the
3 first processing environment.

1 25. (Original) The program product of claim 20 wherein the identity mapping mechanism
2 comprises:

3 a directory service that contains a plurality of user identity mappings that correlate
4 the first user identity in the first registry to the second user identity in the second registry,
5 and that references the first and second user registries; and

6 schema for the directory service that specifies relationships between a plurality of
7 entries in the directory service, where at least one entry includes the user identity
8 mappings.

1 26. (Original) The program product of claim 20 wherein the directory service comprises
2 Lightweight Directory Access Protocol (LDAP).

1 27. (Original) The program product of claim 20 wherein the identity mapping mechanism
2 provides a mapping between the first user identity and the second user identity by creating
3 a global identifier that corresponds to the selected user, and by generating a first
4 correlation between the first user identity and the global identifier and a second
5 correlation between the second user identity and the global identifier.

- 1 28. (Currently Amended) A program product comprising:
2 (A) a directory service that contains a plurality of user identity mappings that
3 correlate a first user identity in a first user registry in first software to a second user
4 identity in a second user registry in second software, and that references the first and
5 second user registries, wherein the first user identity is used to authenticate a selected user
6 to the first software and the second user identity is used to authenticate the selected user
7 to the second software; and
8 (B) schema for the directory service that specifies relationships between a
9 plurality of entries in the directory service, where at least one entry includes the user
10 identity mappings; and
11 (C) computer-readable signal bearing media bearing the directory service and the
12 schema.
- 1 29. (Original) The program product of claim 28 wherein the signal bearing media
2 comprises recordable media.
- 1 30. (Original) The program product of claim 28 wherein the signal bearing media
2 comprises transmission media.
- 1 31. (Original) The program product of claim 28 wherein the first user registry comprises
2 a user registry in a first processing environment.
- 1 32. (Original) The program product of claim 31 wherein the second user registry
2 comprises a user registry in a second processing environment that is different than the
3 first processing environment.
- 1 33. (Original) The program product of claim 28 wherein the directory service comprises
2 Lightweight Directory Access Protocol (LDAP).

1 34. (Original) The program product of claim 28 wherein the plurality of user identity
2 mappings each comprise a mapping between the first user identity and a global identifier
3 that corresponds to the selected user, and a mapping between the global identifier and the
4 second user identity.

STATUS OF THE CLAIMS

Claims 1-34 were originally filed in this patent application. In the pending office action, claims 1-34 were rejected under 35 U.S.C. §102(a) as being unpatentable over U.S. Patent No. 5,764,745 to Chan *et al.* (hereinafter “Chan”). No claim was allowed. In this amendment, claims 1, 7, 16, 19, 20 and 28 have been amended. Claims 1-34 are currently pending.